

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("5,748,653") or ("20020001328").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/18 15:51
S91	22	(vertical adj2 emitt\$3 or vcsel) with (heat adj2 sink or heatsink or heat adj2 spreading) and pump	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/19 17:23
S92	80	(vertical adj2 emitt\$3 or vcsel) with pump\$4 same temperature	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/19 17:23
S93	179	(vcsel or vertical adj2 emit\$4) same optically adj2 pump\$4 and (temperature or heat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/18 14:28
S94	31	monolithic\$4 and pump with (heat adj2 sink or heatsink or heat adj2 spreading or cool\$3) and (vcsel or vertical adj2 emit\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/01/18 14:39
S95	9	("4205278"   "4737960"   "5159605"   "5301204"   "5365538"   "5436919"   "5463649"   "5513204"   "5574738").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/18 14:53
S97	4	("4897444"   "5448581"   "5648979"   "5748661").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/18 15:12
S98	56	(lateral or side) near2 pump\$3 and (vcsel or vertical adj2 emit\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/18 16:11
S99	10	("4380076"   "5131002"   "5212701"   "5212706"   "5231642"   "5548610"   "5748653"   "5796771"   "5991318"   "6535537").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/18 16:08
S100	1793	(372/50.1-50.11,50.124).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/01/18 16:12
S101	2	S100 and (heatsink or heat adj sink) with pump adj laser	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/18 16:12

## EAST Search History

S10 2	2	S100 and (heatsink or heat adj sink) with pump adj source	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/18 16:13
S10 3	10	S100 and (heatsink or heat adj sink) with pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/18 16:13
S10 4	17	S100 and (heatsink or heat adj sink) with pump\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/18 16:15
S10 5	11	("20020075935"   "4802182"   "5252839"   "5365539"   "5513204"   "5604628"   "5894492"   "5936994"   "6239901"   "6252895"   "6331990").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/18 16:14
S10 6	76	S100 and (temperature or heat) with pump\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/18 16:16
S10 7	59	S106 not S104	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/18 16:16